Eycasa Door & House Wireless Video System

User Guide

Version 12/2013

Original user guide in German.
Retain for future reference.

English

Introduction

Dear customer,

Thank you for purchasing this product.

This product complies with current European regulations.
The declaration of conformity can be obtained from:

ABUS Security-Center GmbH & Co. KG
Linker Kreuthweg 5
86444 Affing
GERMANY

To maintain this status and to guarantee safe operation, it is your obligation to observe these operating instructions.

Read the entire user guide carefully before starting operation of the product, and pay attention to all operating instructions and safety information.

All company names and product descriptions are trademarks of the corresponding owner. All rights reserved.

In the event of questions, please contact your local maintenance specialist or dealer.

Warning as required by § 201 StGB (German Criminal Code):

Whosoever unlawfully makes an audio recording of the privately spoken words of another, or uses or makes a recording thus produced accessible to a third party, shall be liable to imprisonment or a fine.

Whosoever unlawfully overhears with an eavesdropping device the privately spoken words of another not intended for his attention, or publicly communicates, verbatim or the essential content of, the privately spoken words of another, recorded or overheard, shall incur the same penalty.

Disclaimer

This user guide has been produced with the greatest of care. Should you discover any missing information or inaccuracies, please let us know about them.
ABUS Security-Center GmbH does not accept any liability for technical and typographical errors, and reserves the right to make changes to the product and operating instructions at any time and without prior warning.
ABUS Security-Center GmbH is not liable or responsible for direct or indirect damages resulting from the equipment, performance, and use of this product. No forms of guarantee are accepted for the contents of this document.

Explanation of symbols

	The triangular high voltage symbol is used to warn of the risk of injury or health hazards (e.g. caused by electric shock).
	The triangular warning symbol indicates important notes in this user guide which must be observed.
	This symbol indicates special tips and notes on the operation of the unit.

Important safety information

	All guarantee claims are invalid in the event of damage caused by non-compliance with this user guide. We cannot be held liable for resulting damage.
	In the event of material or personal damage caused by improper operation or non-compliance with the safety information, we cannot be held liable. All guarantee claims are void in such cases.

This device has been manufactured in accordance with international safety standards.
Please read the following safety instructions carefully.

Safety information

1. Power supply
   The power supply is 12 V DC from a power supply unit.
   Only operate devices using power sources which supply the line voltage specified on the type plate. If you are unsure of the power supply at the installation location, contact your power supply company. Disconnect the device from the power supply before carrying out maintenance or installation work.

2. Overloading
   Avoid overloading electrical sockets, extension cables, and adapters, as this can result in fires or electric shocks.

3. Liquids
   Make sure that no liquids of any type are able to enter the device.

4. Cleaning
   Only use a damp cloth to clean the device. Do not use corrosive cleaning materials.
   Disconnect the device from the power supply while doing so.

5. Accessories
   Only connect devices that are suitable for the intended purpose. Otherwise, hazardous situations or damage to the device can occur.

6. Installation position
   The Eycasa video door station is designed for use in protected outdoor areas. The Eycasa main unit is only intended for use indoors. The products may be damaged if they are dropped, even from a low height. Install the products so that no direct sunlight can shine on the image sensor. Pay attention to the installation instructions in the corresponding section of this user guide.
   Never place the devices close to heaters, stoves, other sources of heat, or in direct sunlight.
   Only operate the devices at locations where temperatures within the permitted ambient temperature range prevail.

7. Wireless transmission
   The wireless range depends on a variety of environmental factors. The local conditions at the installation site may have a negative impact on the range. A range of up to 100 m can be achieved if there is line of sight between the receiver and transmitter, and a range of up to 30 meters can be achieved indoors (this can be less depending on the situation in the building).
   The following environmental conditions compromise both the range and frame rate:
   Mobile communication masts, high-tension pylons, electrical wires, ceilings and walls, devices with the same or an adjacent wireless frequency.

Warnings

Observe all safety and operating instructions before putting the device into operation for the first time.

1. Observe the following information to avoid damage to the power cable and plug:

	• Do not modify or manipulate the power cable or plug. • Do not pull the cable when disconnecting the device from the power – always take hold of the plug. • Ensure that the power cable is positioned as far away as possible from any heating equipment, as this could otherwise melt the plastic coating. • The power supply unit of the outdoor camera must be protected from damp and moisture.

2. Follow these instructions. Non-compliance with these instructions could lead to an electric shock.

	• Never open the housing of the outdoor camera or power supply unit. • Do not insert any metallic or flammable objects into the device. • Use overvoltage protection to prevent damage caused by overvoltage (e.g. electrical storms).

3. Disconnect defective devices from the power immediately and contact your specialist dealer.

	If in doubt, have a specialist technician carry out assembly, installation, and connection of the device. Improper or unprofessional work on the power supply or domestic installation puts both you and other persons at risk. Connect the installations so that the power supply circuit and low-voltage circuit always run separately from each other. They should not be connected at any point or be able to become connected as a result of a malfunction.

Avoid the following adverse conditions during operation:

Moisture or excess humidity (Eycasa main unit)

- Extreme heat or cold
- Direct sunlight (Eycasa video door station)
- Dust or flammable gases, vapors, or solvents
- Strong vibrations
- Strong magnetic fields (e.g. next to machines or loudspeakers)
- The camera must not be directed toward the sun, as otherwise the sensor may be destroyed. (Eycasa video door station)

Unpacking the device

Handle the device with extreme care when unpacking it.

	If the original packaging has been damaged, inspect the device. If the device shows signs of damage, return it in the original packaging and inform the delivery service.

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1. Intended use

The Eycasa wireless intercom system, consisting of a main unit and the video door station, gives you the advantage of using 2.4 GHz wireless digital radio (for video data) and DECT (for audio data) to operate your video intercom. Alternatively, the video door station can be operated on a permanent power supply (recommended) or on batteries at the front door. By connecting the video door station to an electronic door opener, when the doorbell is pressed, the door can be opened from inside using the touchscreen of the main unit – in addition to the video display and voice communication. Alternatively, the optional proximity key allows convenient opening of the door from outside on the video door station.

The Eycasa door & house wireless video system can be expanded with additional components from the Eycasa family: Eycasa outdoor cameras (monitoring of driveways or gardens). The system can manage a total of up to four cameras from the Eycasa product family.

For a detailed description of functions, refer to Section 3, “Features and functions”.

2. Eycasa system components

CASA30200
Eycasa main unit

CASA30100
Eycasa video door station

CASA30150
Eycasa battery set
(optional)

CASA30500 (optional)
Eycasa outdoor camera

FUBE50020 (optional)
Proximity key

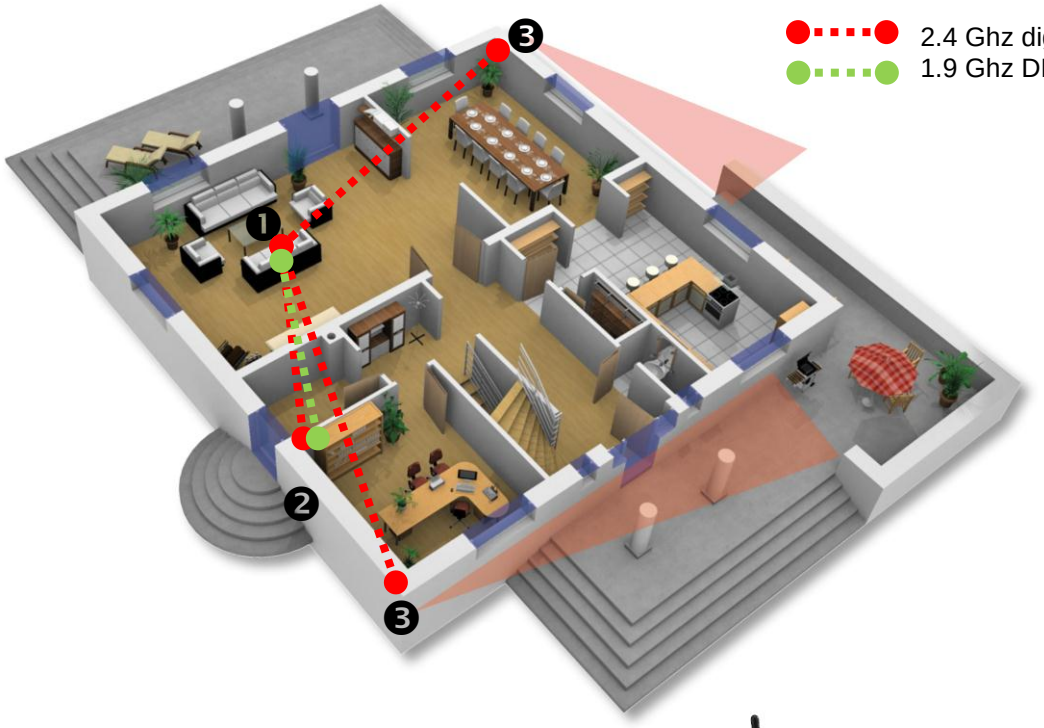
CASA30400 (optional)
Eycasa Family Care
camera

3. Features and functions

- Eycasa door & house wireless video system for watching, speaking, listening, and switching
- The Eycasa door & house wireless video system set contains the Eycasa video door station and Eycasa main unit
- Secure wireless transmission using 2.4 GHz digital wireless for video and 1.9 GHz DECT for audio
- Wireless range up to 30 meters (may be less depending on structural conditions) for all Eycasa system components to the main unit indoors
- System expandable to include up to three additional cameras
- Eycasa main unit with 7" touchscreen and built-in microphone and loudspeaker
- Eycasa video door station for use in protected outdoor areas with integrated night vision in close proximity to the camera and control of an electronic door opener
- Eycasa outdoor camera with built-in night vision in close proximity to the camera
- Eycasa Family Care camera with integrated sound detection function (VOX) for indoors

Wireless connection

2.4 Ghz digital wireless (video)
1.9 Ghz DECT (audio)



❶

The main unit is the heart of the system.
Equipped with a 7" touchscreen color display and intuitive user menu.
Flexible use with wall or table installation.

❷

The door station provides video images, communication, and door opening all in one.
It can be fitted in standard-sized intercom systems – vertically or horizontally, even without power supply. IP54 approved for use in protected outdoor areas.

❸

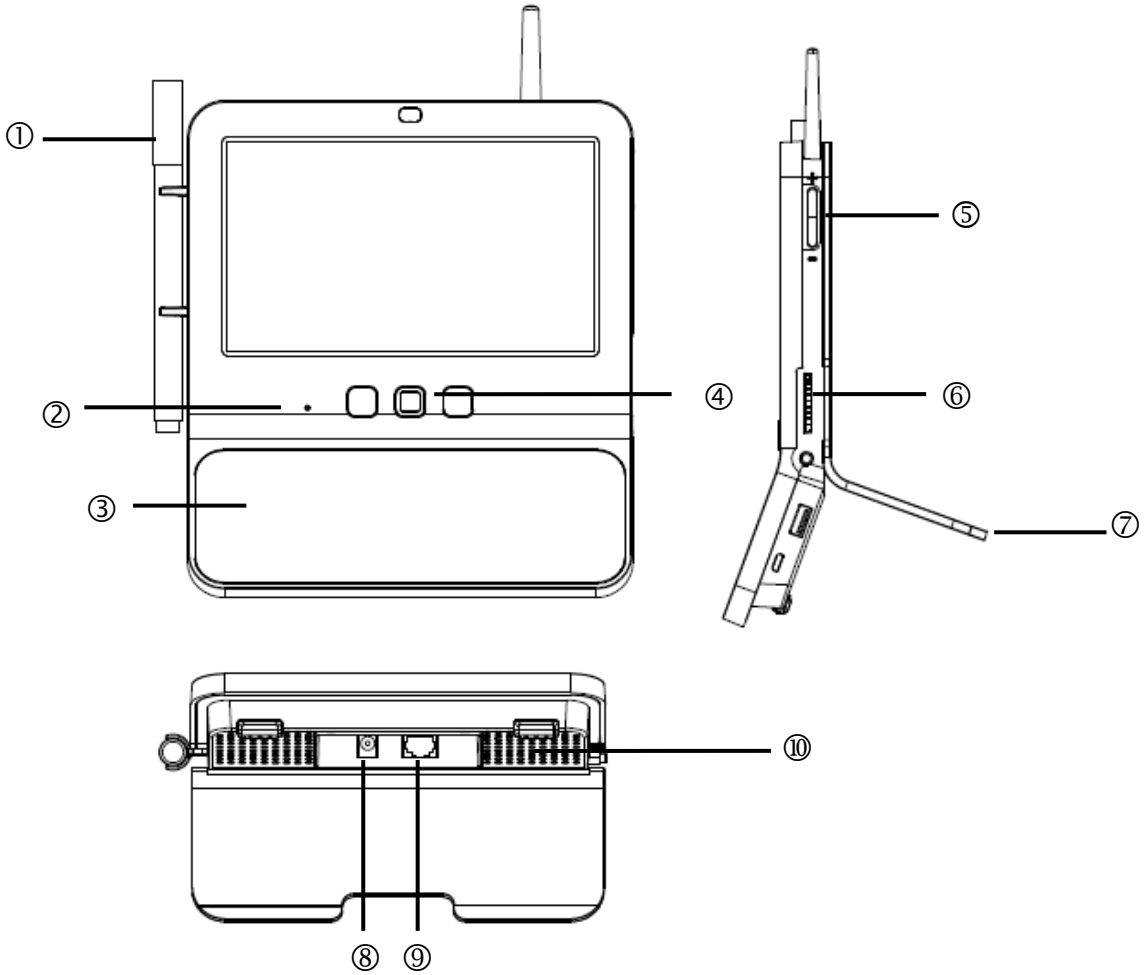
IR wireless outdoor cameras can be integrated for viewing all around the house. This installation is particularly useful for areas which are hard to see, such as terraces or cellar entrances.

❹

The white Family Care camera is equipped with infrared night-view LEDs to identify persons at close range, as well as a noise detection function.

4. Device description

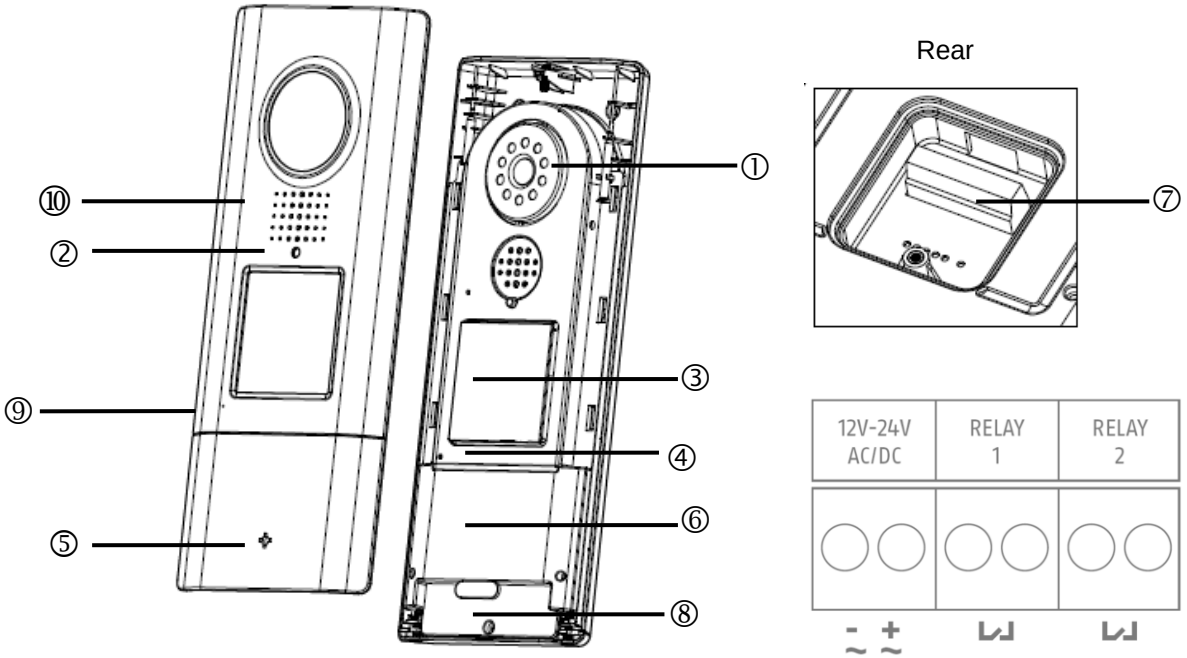
4.1 Description of the Eycasa main unit



①	Board marker	Used for writing short notes on the memo board. Dry erase board marker.
②	Microphone	Intercom for Eycasa video door station and Eycasa FamilyCare camera.
③	Memo board	Glass plate for short notes with Eycasa board marker.
④	Eycasa control buttons	Switch to event list.
		Switch to live image.
		Back button (within menus).
⑤	Volume control	+ : Increases the volume during voice communication. - : Reduces the volume during voice communication.
⑥	SD card	Slot for SD card for software updates and recording. Supports SD cards up to 32 GB SDHC.

⑦	Table mount	Removable table mount, can be used instead of the included wall mount.
⑧	Power supply	12 V DC / 1 A Device starts automatically when powered by line voltage.
⑨	RJ45 connection	Integrated network access, 10/100 Mbps.
⑩	Loudspeaker	System loudspeaker for outputting audio.

4.2 Description of the Eycasa video door station



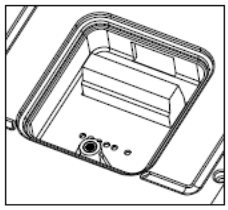
①	Camera	Camera module with fixed lens including photo sensor		
②	Status LED	Indicates the current device status		
		LED red	Permanently lit	The sequence for doorbell ringing is being carried out.
		LED green	Permanently lit	Voice connection has been established.
		LED red	Flashing	No wireless connection to the main unit or device is not paired.
		LED red + green	Flashing fast	Pairing mode active.
		LED off	Permanent	Indicates that the device is ready to operate when voltage is present.

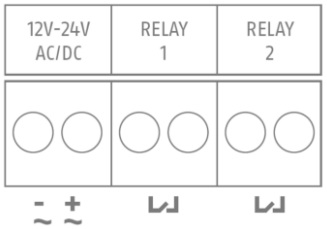
③	Doorbell button	Backlit doorbell button (not in battery mode). Backlighting switches on automatically in night mode (camera photo sensor). When the doorbell button is pressed, a connection to the Eycasa main unit is established with a video image.
④	Microphone	Built-in microphone for two-way voice communication with Eycasa main unit or handset.
⑤	ABUS logo	Logo can be rotated 90° with horizontal installation of the video door station.
⑥	Proximity reader	Built-in proximity reader for use of the ABUS wireless chip key (FUBE50020) for opening the door on the door station. Not available in battery mode.
⑦	Connector block (Rear)	Connector block for power and relay contacts (potential-free, NO) Voltage: 12–24 V AC/DC Relay 1 = door opener Relay 2 = electronic chime Not available in battery mode.
⑧	Battery compartment	Removable battery compartment for 6 x AA batteries (1.5 V). Use CASA30150 for this.
⑨	Microphone	Two-way communication for Eycasa main unit.
⑩	Loudspeaker	Integrated loudspeaker.

	Important: The video door station is subject to limitations in battery mode to ensure the longest possible battery life. The following functions are disabled: proximity key, backlighting of the doorbell button, door opener function (no relay triggering), continuous video transmission. In battery mode, the door station operates in a power-saving mode and wakes up when the doorbell is pressed. In this case, it takes approx. 5 seconds to establish a connection to the main unit. We recommend that you run the video door station on a permanent power supply to be able to use the full functionality.

Connection examples for an electronic door opener/door bell

Description of the terminal block



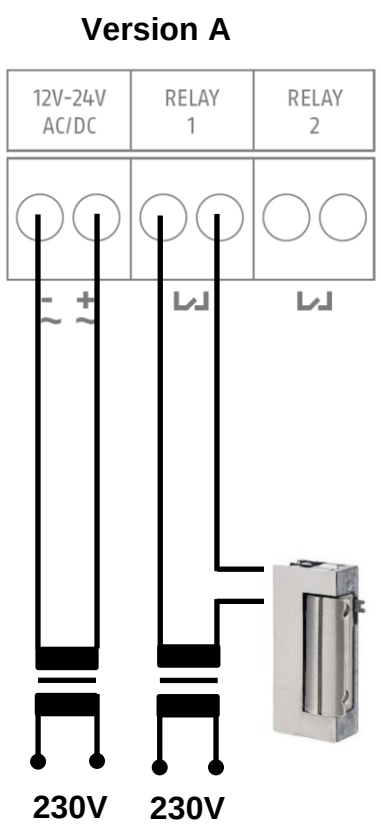


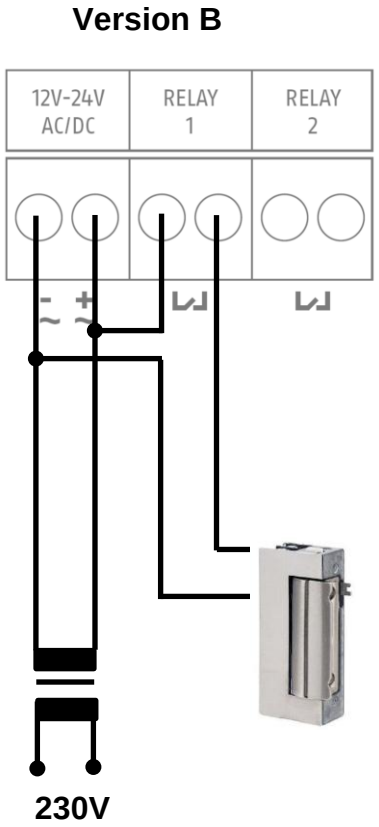
Description	Note
12V-24 AC/DC	Network connection for video door station 12-24V direct current or 12-24V alternating current
RELAY 1	Terminal connector for electronic door opener. Potential-free relay, NO (normally open)
RELAY 2	Terminal connector for electronic door bell. Potential-free relay, NO (normally open)

Connection for an electronic door opener:

Connect the electronic door opener to RELAY 1, using either a separate power supply unit (version A) or directly (version B) via the power supply of the video door station.

⚠	For version B, take note of the permitted power supply for your door opener: • A voltage that is too high can damage your door opener. • If the power consumption is too high for the switching procedure, the network supply for your video door station can fail. Ensure that the power supply unit for your video door station has a sufficient rating (min. 1A or higher).



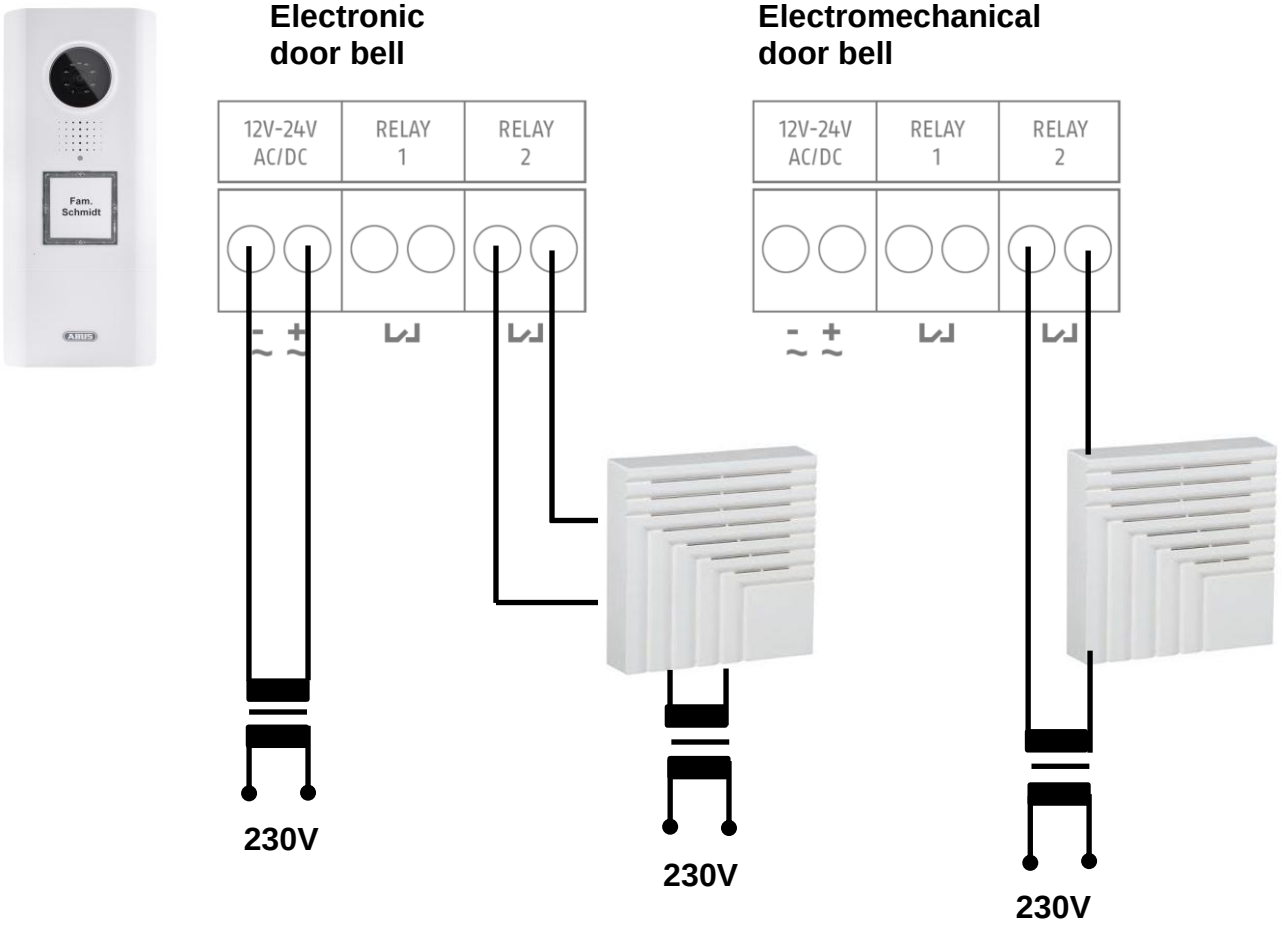


Connection for an electronic door bell:

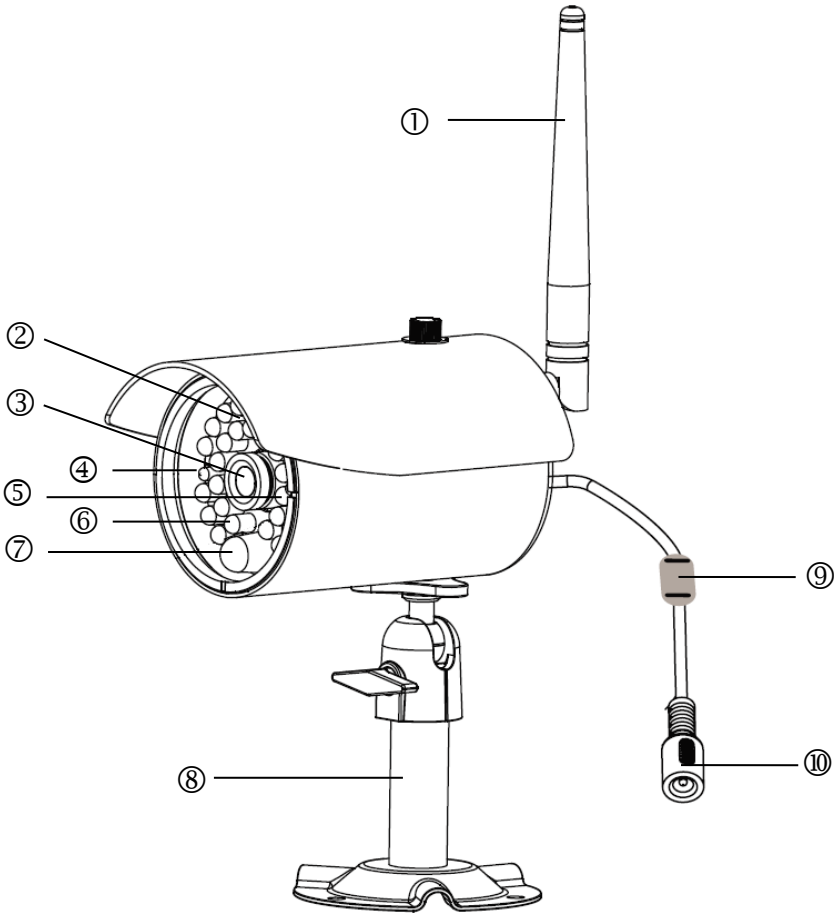
Connect the electronic door bell to RELAY 2. Before use, ensure that your door bell has a suitable opening contact for triggering. The door bell is supplied with power via the door bell's intended voltage source (separate power supply unit or batteries).

⚠	When using an electromechanical door bell, use the power supply via RELAY 2 so that the bell is triggered when switched by closing the circuit.

⚠	The function to trigger the door bell via RELAY 2 requires the software version Eycasa 1.5 or higher. You can download the software free of charge from the following website: http://www.abus.com/ger/Sicherheit-Zuhause/Tuersicherheit/Tuersprechsysteme/Eycasa/Eycasa-Tuer-Haus-Funk-Videosystem

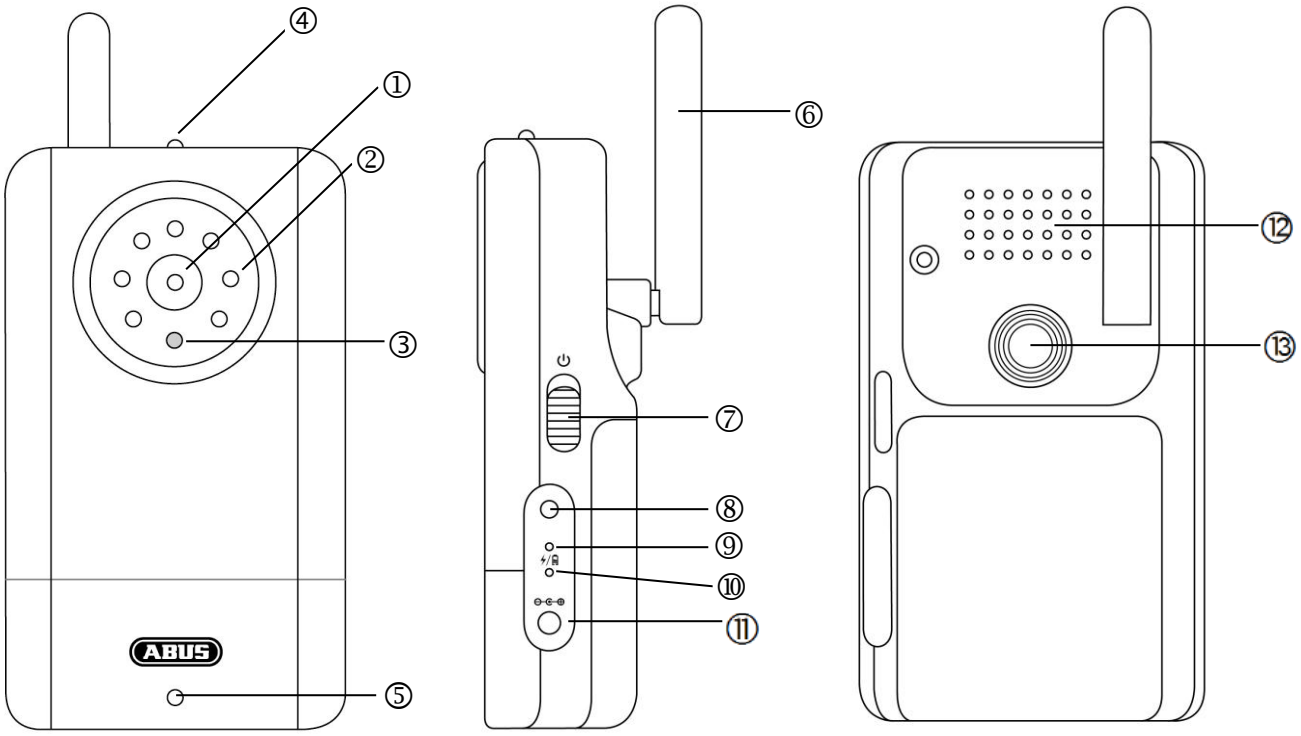


4.3 Description of the Eycasa outdoor camera



①	Antenna	Screw-on antenna for 2.4 GHz digital wireless.		
②	Photo sensor	Sensor for switching between day and night mode.		
③	Camera	Camera with fixed lens.		
④	Power LED	LED red	Permanently lit	Power supply connected.
		LED off	Permanent	No power supply connected.
⑤	Link LED	LED green	Lit	Camera is providing an image signal to the main unit.
		LED green	Flashing	Pairing mode active.
		LED off	Permanent	Camera not paired or not accessible through the main unit.
⑥	IR LEDs	Built-in IR LEDs. Activated in night mode.		
⑦	PIR sensor	The PIR sensor reports motion detection to the Eycasa main unit.		
⑧	Camera mount	Wall mount for camera mounting.		
⑨	Pairing button	Pairing button for programming the wireless camera in the Eycasa main unit.		
⑩	Power supply	Connection for 5 V DC / 1 A power supply		

4.4 Description of the Eycasa Family Care camera



①	Camera	Camera module with fixed lens and IR LEDs, including photo sensor.		
②	IR-LEDs	Built-in IR LEDs. Activated in night mode.		
③	Light sensor	Sensor for switching between day and night mode.		
④	Status LED	Indicates the status of Family Care camera		
		LED red+green	Flashing	Camera pairing in progress
		LED green	Permanent	Connection to main unit OK
		LED green	Flashing	Audio connection to main unit established
		LED red	Flashing slowly	Connection to main unit interrupted
		LED red	Flashing quickly	Battery critically low
⑤	Mikrofone	Built-in microphone for two-way communication with Eycasa main unit and voice detection using VOX function.		
⑥	Antenna	Antenna for 2.4 GHz digital wireless.		
⑦	Power button	Switch on Family Care camera (press for 3 seconds). Switch off Family Care camera (press for 3 seconds).		
⑧	Pairing button	Pairing button for assigning the Family Care camera in the Eycasa main unit.		
⑨	Reboot button	Reboots the Family Care camera.		
⑩	Power LED	Indicates the operation status of Family Care camera.		
		LED off	Power off	
		LED on	Camera ready for operation	
⑪	Power supply	5 V DC / 1 A		
⑫	Loudspeaker	Integrated loudspeaker.		
⑬	Thread for bracket	Camera mount for versatile attachment.		

5. Pairing the system components

5.1 Pairing the Eycasa components in the Eycasa main unit

We recommend that you pair the video door station in the entrance area to camera position 1 (factory setting with the CASA31000). All other components can be paired to any of the other camera positions. Pair the components as follows:

	Note: The CASA31000 Eycasa video door station and Eycasa main unit included in delivery are already programmed at the factory.

	Important: Before you begin installing, make sure that the wireless transmission range is adequate at the site of the required installation. Start pairing the system components before you perform the final installation of the individual Eycasa components.

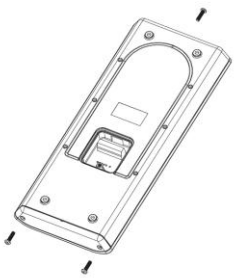
1. Connect your Eycasa main unit and the components to be paired to the associated power supply unit / power supply.
2. Wait until your Eycasa main unit has completed the boot process, and switch to the configuration menu by pressing the button.
3. Click the “Cameras” menu item and select a free camera channel.
4. Press the “Pair camera” button to start the pairing process using the setup wizard.
5. In the setup wizard, select your camera model as shown in the figure.

The setup steps are described below separately for each camera type.

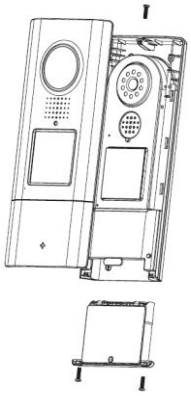
5.2 Pairing the Eycasa video door station

Connect your video door stations with the power before starting the pairing process. Your video door station indicates the current status by the flash code on the status LED. If the video door station is not paired in your Eycasa main unit, the status LED flashes red.

The video door station housing must now be opened for the pairing process. Use the included screwdriver to loosen the safety screws above the lens and below the battery compartment.



First remove the battery compartment to be able to remove the front cover.



You can now continue the pairing process for your video door station. The setup wizard of your main unit should show the following view:

Pairing 2 of 5
Proceeding from here will disconnect any camera, currently paired in this slot. Do You wish to continue?
Back
Next

A notification message will appear that a camera already paired to the selected camera slot will be overwritten by this action. Press Next if you are sure you want to continue with the pairing process.

Pairing 3 of 5
Initialize pairing process
Open front panel of your Eycasa video door station and press the pairing button for one second with a spiky tool. The video door station LED is blinking red/green (0.1 second clock pulse). Then click Next.
Next

If your video door station is running on batteries, then you need to press the doorbell button once to wake up the device from standby mode. Now press the pairing button on your video door station. The status LED on your video door station flashes alternately red and green to indicate that the pairing process has started. The pairing process is active for 120 seconds. Press the “Next” button.

Pairing 4 of 5
Performing pairing
The pairing of your video door station is initialized. The procedure may take a few seconds. Please wait for lapsing of the the video door stations LED.

Your Eycasa main unit connects to your video door station. The process can take several seconds. The setup wizard will signal whether the process is complete or whether it needs to be repeated due to a pairing error.

If the message “Video door station was successfully paired” appears, the pairing process is finished. The status LED goes out on your video door station, signaling readiness.

You can proceed with installation of the unit from Chapter 6.

	Note: If you want to test the video door station after initial start-up, note that there can be audio feedback loops both in the loudspeaker of the door station and the main unit if the devices are too close to each other. This is normal and occurs only when both devices are installed in the same room.

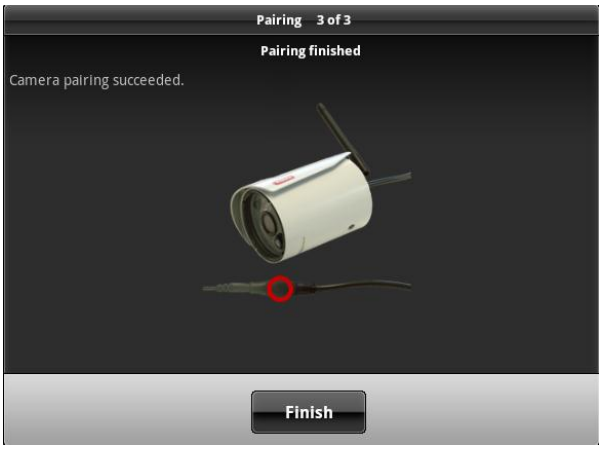
5.3 Pairing the Eycasa outdoor camera

Ensure that your Eycasa outdoor camera is supplied with power.

You can now proceed with the pairing process for your outdoor camera. The setup wizard of your main unit should show the following screen:

Pairing 2 of 3
Initialize pairing process
Press and hold the pairing button on the outdoor camera. The LINK LED is blinking green.
Click Next.
Back
Next

Follow the instructions on the screen and press and hold the pairing button on the power cable of the camera. The link LED of the camera starts to flash. Now press “Next” without releasing the pairing button.



Once the message “Camera pairing succeeded” appears, you can release the pairing button. The pairing process is completed. If an error occurs during the process, repeat the previous pairing steps.

5.4 Assigning the Eycasa Family Care camera

Make sure that your Eycasa Family Care camera is supplied with power.

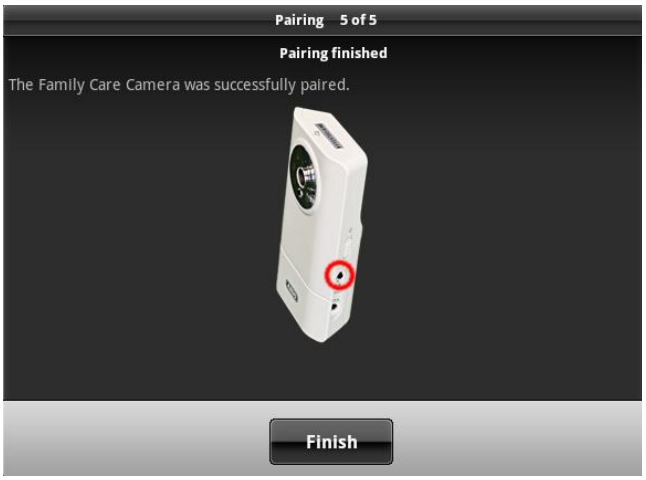
You can now proceed with the assignment process for your Family Care camera. The setup wizard of your main unit should show the following screen:

Pairing 3 of 5
Initialize pairing process
Press the pairing button at your FamilyCare camera for one second. The FamilyCare camera LED is blinking red/green (0.1 second clock pulse). Then click Next.
Next

Follow the instructions on the screen and press and hold the pairing button on the camera. The Status LED on the camera starts flashing red and green. Now press “Next”.

Pairing 4 of 5
Performing pairing
The pairing of your FamilyCare Camera pairing is initialized. The procedure may take a few seconds. Please wait until the LED of your FamilyCare Camera is lit permanent green.

Your Eycasa main unit then connects to the Family Care camera. The process can take several seconds. The setup wizard will signal whether the process is complete or whether it needs to be repeated due to a pairing error.



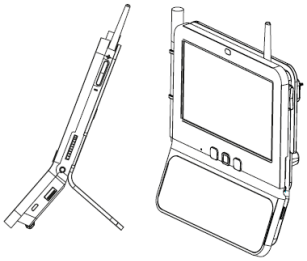
If the message “Family Care camera was successfully assigned” appears, the assignment process is finished. If an error occurs during the process, repeat the previous assignment steps.

You can now proceed with the installation of the unit (see section 6).

6. Mounting the system components

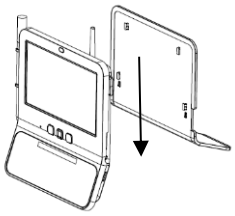
6.1 Mounting the Eycasa main unit

The Eycasa main unit can be installed either on a table or wall. When delivered, the table mount is already attached, allowing you to place the device wherever you would like indoors. Alternatively, the back cover of the main unit can be replaced with the included wall mount. The following steps describe how to install the wall mount.

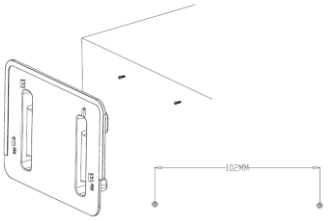


⚠	**Important:** Choose the installation location of the main unit so that optimal range of all Eycasa components is possible. Make sure that a distance of no more than 30 m (depending on the building characteristics, this can be less) from the main unit is not exceeded. Additional walls can reduce the wireless range. Test the range before installation.

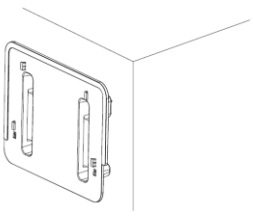
1. • Remove the table mount on the rear of the device by pushing the back cover downwards and off. Be sure not to touch or damage electronic components while the main unit is open.



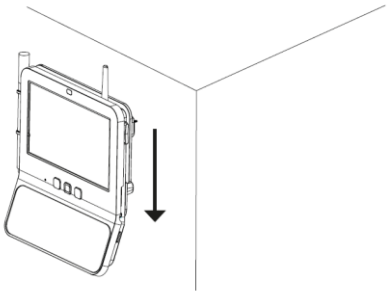
2. Put the wall mount into the desired position on the wall and mark the drill holes. The distance between the two holes is 102 mm.



3. Attach the screws using wall plugs and put on the wall mount. The wall mount should be completely screwed together only after placement onto the screw heads.



4. Now place the main unit on the wall mount and connect the included power supply unit.



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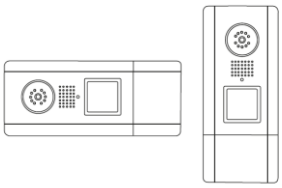
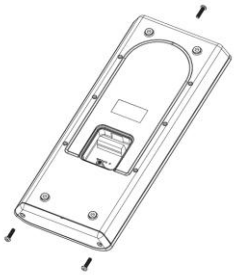
6.2 Mounting the Eycasa video door station

The Eycasa video door station can be mounted either horizontally or vertically. The video door station is designed for use in protected outdoor areas, thanks to its degree of protection of IP54.



	Note: In case of horizontal installation, in the settings you need to change the orientation of the video image to 90° to the left or right.

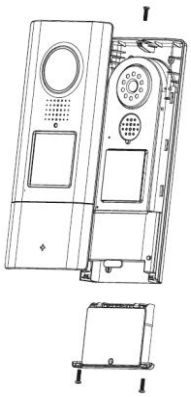
Use the included screwdriver to loosen the safety screws above the lens and below the battery compartment.



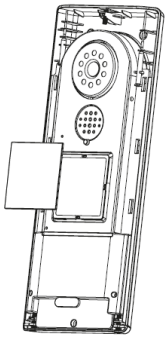
If you are operating your video door station with a permanent power supply (bell transformer), remove the cover of the terminal connector on the rear of the device.

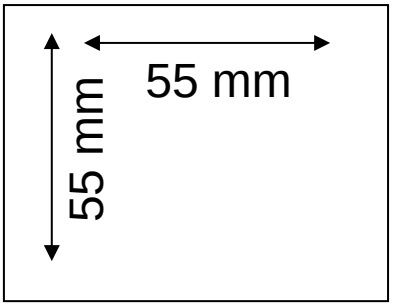
Be sure to reinstall the sealing ring later.

First remove the battery compartment to be able to remove the front cover.

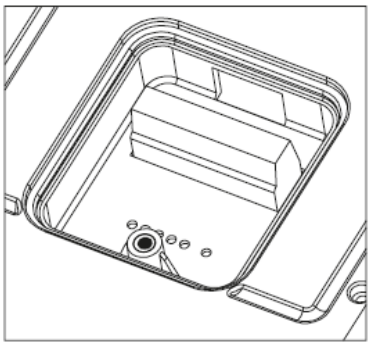


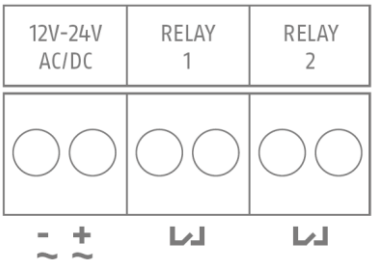
You can now open the plastic cover of the doorbell button and attach your nameplate. For labeling, you can use the included nameplate or the PDF template on the included CD.





Connect the power (12–24 V AC/DC) and an optional electronic door opener (RELAY 1) and/or an electronic door bell (RELAY2) to the terminal block of the video door station.

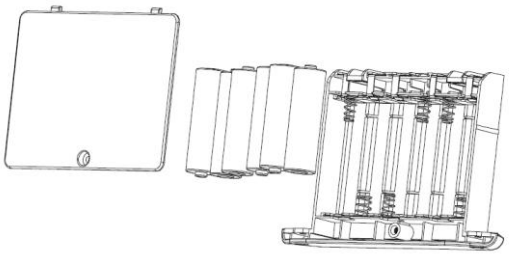




	Note: In software version 1.0, RELAY 2 is disabled for the Eycasa main unit.

	Important: When operating with a permanent power supply (e.g.: bell transformer), the video door station requires up to 800 mA at 12 V. Make sure that downstream consumers (such as electronic door openers) do not exceed the total output of the voltage source.

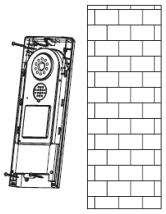
If you operate the video door station alternatively using batteries, insert the batteries into the battery compartment. Pay attention to the polarity when inserting the AA batteries.



	Important: The video door station is subject to limitations in battery mode to ensure the longest possible battery life. The following functions are disabled: Proximity key, backlighting of the doorbell button, door opener and door bell function (no relay triggering), continuous video transmission. We recommend that you run the video door station on a permanent power supply to be able to use the full functionality.

After connecting the power supply, mount the video door station on the house wall.

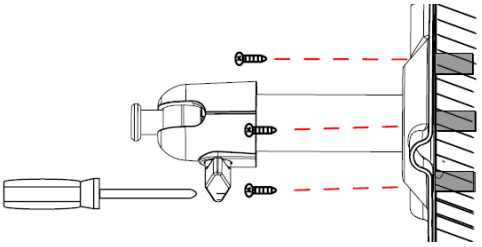
The recommended installation height is 1.6 meters between the ground and camera module. Put on the video door station at the desired location and use the screw holes on the bottom shell to mark the drill holes.



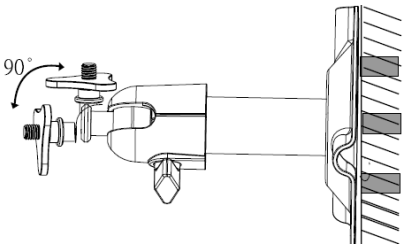
After finishing the wall mounting, put the door station back together to complete the installation.

6.3 Mounting the Eycasa outdoor camera

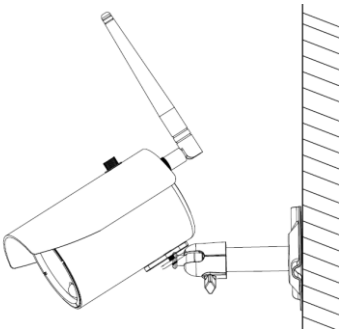
Use the camera mount to help you find a suitable place for installation. Use the drill holes to mark the surface, and drill the holes. Insert the included wall plugs before you attach the mount with the screws.



You can also swivel the mount by 90° into a particular position. First loosen the screw on the side and set the required angle. Then tighten the screw to secure the required position.



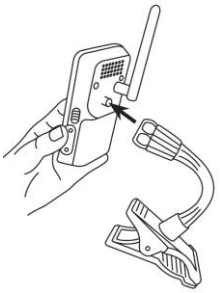
Screw the camera onto the mount and connect the power supply unit to the camera.



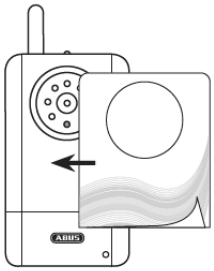
	Important: Only use the included antenna for installation.

6.4 Mounting the Eycasa Family Care camera

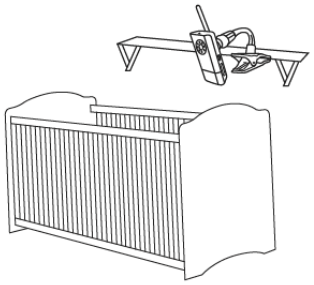
Bolt the camera onto the bracket and select a suitable place to mount it.



You can decorate the camera with one of the stickers provided.

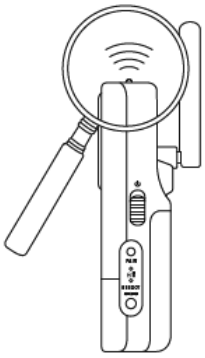


The camera should be mounted no further than 3 metres away from the child in order to ensure optimum visibility and reliable sound detection.



⚠	**Important:** Please make sure the camera and the cable are well out of reach of your child in order to prevent the risk of strangulation.

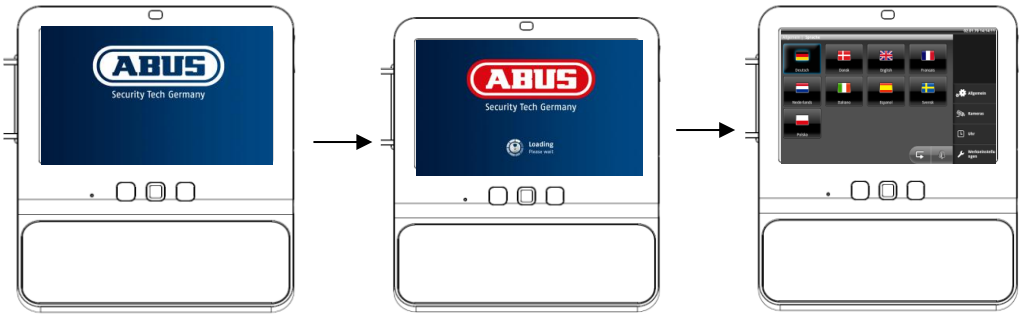
Please note that if you only operate the camera with the battery, it must be charged as soon as possible after the power LED starts flashing.



⚠	**Important:** Note that the camera contains a built-in battery, which must be fully charged before the first use. The status LED lights up green as soon as the battery is fully charged.

7. System operation

7.1 Start-up of the Eycasa main unit



Sequence:

1. Connect the power supply unit to your Eycasa main unit.
2. The device starts automatically after the line voltage is present.
3. Wait until the boot process is complete.
4. During initial start-up, the system language is set after the system boots.
5. Select the language by pressing the corresponding country flag on the display.
6. Press the button twice to return to the live view.

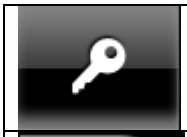
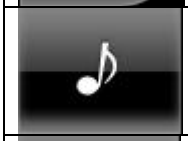
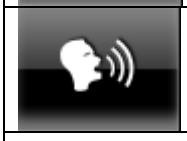
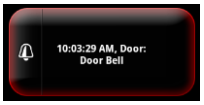
7.2 Operating the live view

Individual image view

4x view

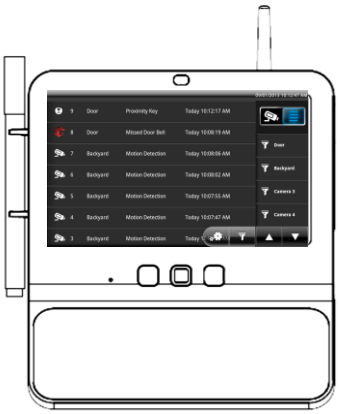
The Eycasa main unit has a touchscreen interface; all functions are operated by finger pressure on the appropriate button. In the live view, the following adjustment options and displays are available:

	Switching between live view and event list.
	Display of the signal strength of the currently selected cameras. Note that the signal strength may be displayed only when there is active image content. In the 4x view, this function is not available.
	Manually select camera 1 to 4 for the individual image view.
	Switches between individual image view and 4x view.
	Button opens the system settings of the Eycasa main unit.

	Key	Operates RELAY 1 on the video door station to open the door.
	Receiver	Establish/terminate a voice connection to the video door station.
	Lullaby	Play a preset lullaby on the Family Care camera for 90 seconds. The lullaby is repeated until 90 seconds have passed. You can end the lullaby manually by pressing the button.
	Monitoring mode	Activates monitoring mode on the Family Care camera (voice activation is enabled). The function remains active until it is manually deactivated again.
	Information window regarding pending/missed event with details on camera name, time stamp, and event type. An event must be acknowledged before other operator inputs on the touchscreen are possible. Events are acknowledged by finger pressure on the corresponding message. A counter below the event message indicates how many events have occurred since the last acknowledgment.	

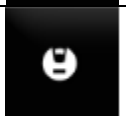
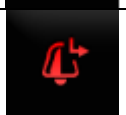
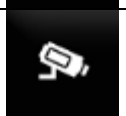
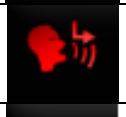
	Note: In the factory setting, the Eycasa main unit switches to the screen saver after 2 minutes of inactivity (no touchscreen inputs or event messages). You can change this in the screen saver menu item.

7.3 Event list and event behavior



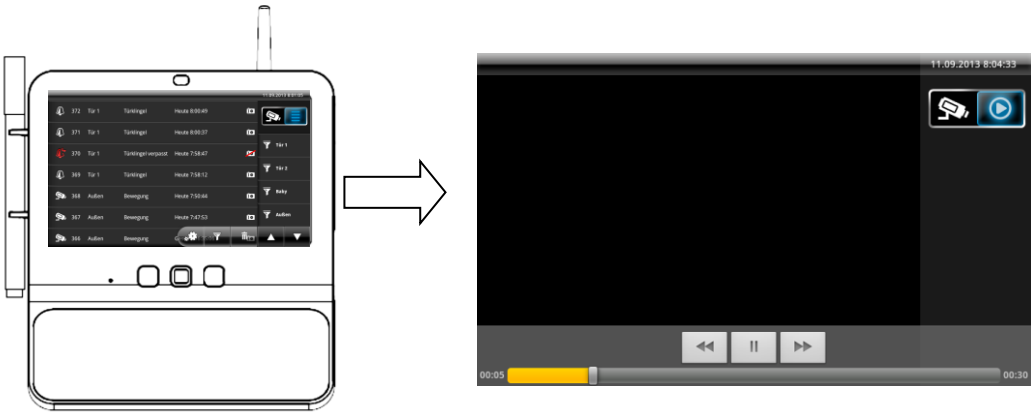
Event list

In the event list, the following control options are available:

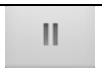
	Changes the view to the event list. You can browse through the event list in steps of seven using the buttons. The event log includes 500 entries.
	Opens the general filter dialog of the event list. After activation of the filter type, only events of the selected type are displayed.
	When a camera is selected, the event list only shows events of the selected camera. The camera filter can be combined with the general event filter.
	Deleting the event log: If you press the “Delete event log” button, the entire event log in the Eycasa main unit is deleted and all the associated video recordings are deleted from the SD card.
	Video recording: There is a recording of the selected event. Tap the event message to play the recording.
	Video recording missing: There is a recording of the selected event, but it was not found on the SD card (the SD card was removed or the recording was manually deleted).
	Doorbell event: Shows the time of the doorbell ringing of an Eycasa video door station.
	Proximity key: Shows the time the door was opened by a wireless proximity key on the video door station.
	Doorbell rings missed: Shows the time of a missed doorbell ring. This event is always displayed when the previous doorbell ring was not acknowledged within 30 seconds.
	Motion: Shows the time of motion detection by the PIR sensor of an Eycasa outdoor camera.
	Family Care: Shows the time of a VOX alarm on the Family Care camera.
	Family Care missed: Shows the time of a missed VOX alarm. This event is always displayed when the previous VOX alarm was not acknowledged within 30 seconds.
	Video signal failure: Shows the time of a failed signal connection between the main unit and camera. This message appears when the wireless signal fails for longer than 1 minute.

	Battery strength: Shows the time of weak battery strength on an Eycasa video door station and Family Care camera. When the battery is low, the video door station automatically switches off video transmission. Change the batteries promptly if this message appears.

7.3.1 Playback of event recordings

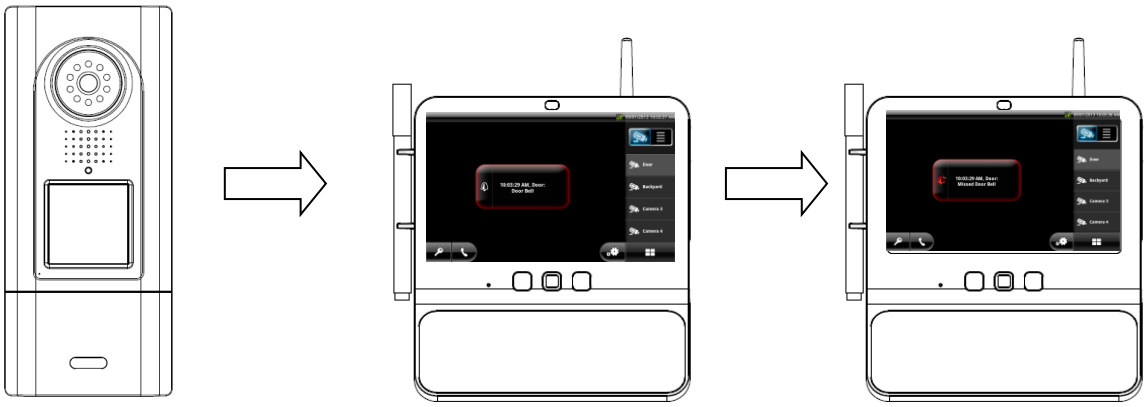


Event list

Possible user actions	Effect
Select an entry with the video symbol from the event list	The view automatically switches to playback and the video is played. The control buttons are automatically hidden after a short while. Touch the monitor once to see the control buttons again. The view automatically switches back to the event list once the video has been completely played back.
Press the buttons	Fast forward/rewind playback.
Press the button 	Pause replay
Drag the time line	Position the playback button horizontally by dragging and dropping it anywhere on the time line to skip to a particular point during playback.

	Note: Alternatively, you can press the “Back” and “Event list” buttons on the main unit (below the screen) to end playback of a video file.

7.3.1 Doorbell event

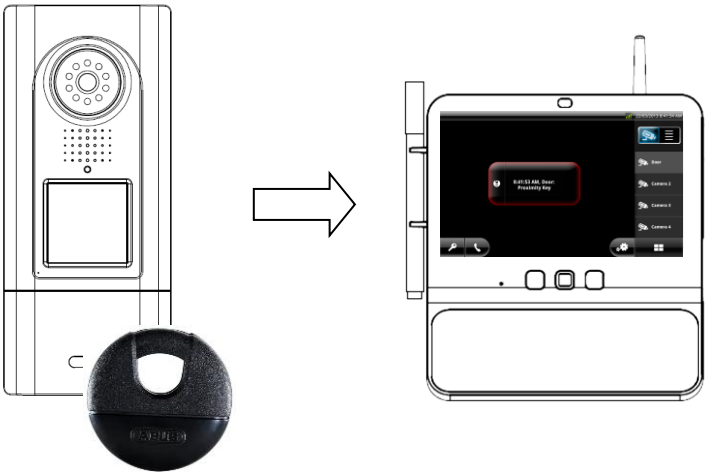


Sequence of doorbell ringing:

1. Doorbell is pressed on the video door station.
2. The screen on the Eycasa main unit is activated.
3. RELAY2 on the door station is switched for 2 seconds to activate the door bell.
4. The live image of the video door station is displayed.
5. Video recording is started on the video door station and continues for up to 30 seconds (if the “Activate video recording” option was selected in the settings).
6. The doorbell tone plays.
7. The event message is displayed on the screen.

Possible user actions	**Effect**
Acknowledge the event message	The doorbell ringing is interrupted. After the event message is acknowledged, the and buttons can be pressed.
Press the button	The event message is acknowledged and the doorbell ringing ends. An active voice connection for the video door station is established and maintained for up to 60 seconds.
Press the button	The event message is acknowledged and the doorbell ringing ends. Press the door opener (RELAY 1) on the video door station.
No response	Doorbell ringing stops after 30 seconds. Video connection is disconnected after 30 seconds unless “Camera permanently active” has been selected. The “Missed Door Bell” event message is saved on the main unit.

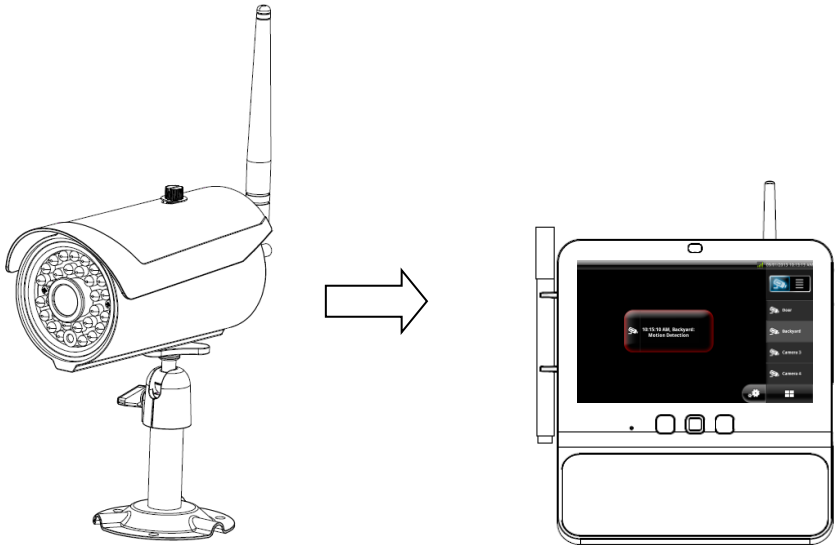
7.3.2 Proximity key event



Sequence of the proximity application:

1. Hold the paired proximity key up to the video door station.
2. The door opener (RELAY 1) on the video door station is operated.
3. The screen on the Eycasa main unit is activated.
4. The live view switches to the video door station with the activated proximity key.
5. The event message is displayed on the screen.

7.3.3 Motion event

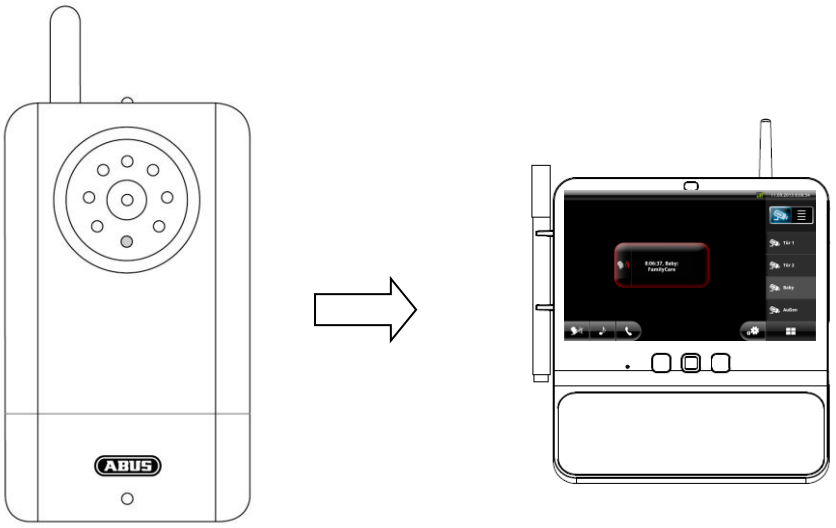


Sequence of motion detection:

1. Outdoor camera detects motion using the integrated PIR sensor.
2. The screen on the Eycasa main unit is activated.
3. The view switches from 4x view to the individual image view of the outdoor camera.
4. The event message is displayed on the screen.

⚠	**Important:** Event messages from external cameras are only detected in the 4x view (activated by default) or with the currently selected camera. If the main unit is in the individual image view, only the currently displayed outdoor camera can detect motion.

7.3.5 Family care event



Voice activation sequence:

1. The VOX function of the Family Care camera is activated using the monitoring function on the main unit.
2. The integrated voice detection function of the Family Care camera detects a sound source.
3. The screen on the Eycasa main unit is activated.
4. The live image of the Family Care camera is displayed.
5. An audio connection to the Family Care camera is started up (listening only) for 30 seconds.
6. The event message is displayed on the screen.

Possible user actions	**Effect**
Acknowledge the event message	The event message is hidden. You can also press the and buttons after the event message has been acknowledged.
Press the button	The event message is acknowledged. An active voice connection to the Family Care camera is established and maintained for up to 60 seconds.
Press the button	The event message is acknowledged. A lullaby is played on the Family Care camera for 90 seconds.
No response	An audio connection (listening only) to the Family Care camera is maintained for 30 seconds. The video connection is ended after 30 seconds if the camera is in battery mode. The event message “Family Care missed” is saved.

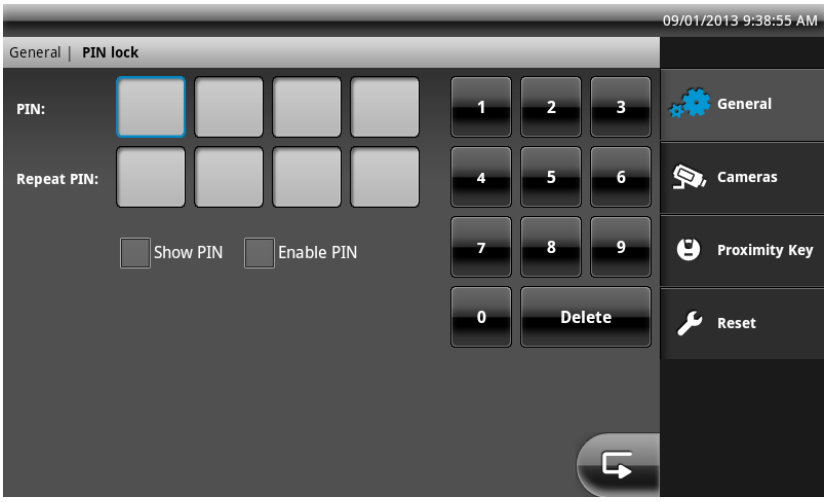
7.4 General system settings

Pressing the button gives you access to the system settings. Note that you can block access to the settings menu by assigning a PIN.

You can save settings in the submenus by pressing the button. Pressing this button also takes you to the higher-level item in the main menu.

7.4.1 PIN lock settings

By assigning a 4-digit PIN, you can secure your Eycasa main unit against unauthorized access to the system settings. After the function is activated, your PIN is requested every time the system settings are called up.

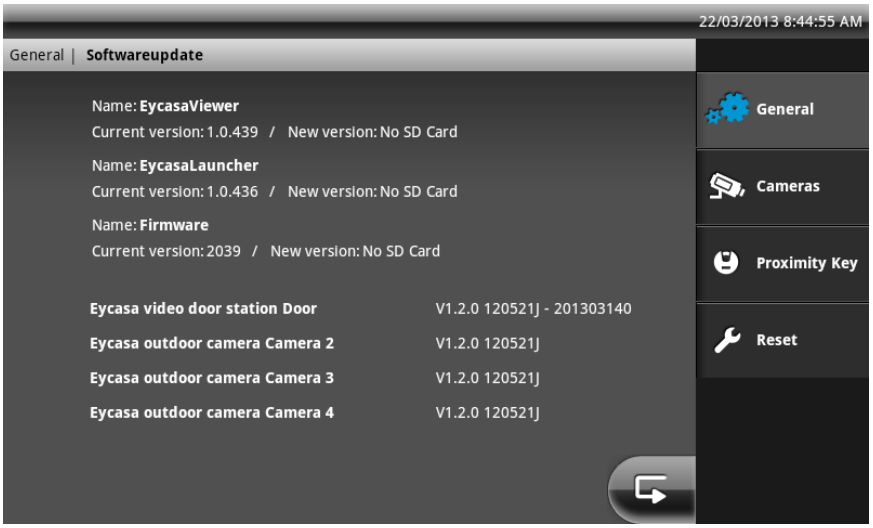


PIN	Entry of a 4-digit number on the on-screen keypad.
Repeat PIN	Confirmation of the entered PIN to avoid typos.
Show PIN	Display the PIN code during entry.
Enable PIN	Activates the PIN lock function.

	Information: The PIN lock setting is retained even after the device is turned off or restarted. If you lose your PIN, a restore is possible using the SuperPIN. To use the SuperPIN, enter the time displayed on the device in the format HHMM (H = hour / M = minute) as the PIN.

7.4.2 Software update settings

Here you can update the software of your Eycasa main unit using an SD card.



On our homepage, http://www.abus.com, you can check whether a new firmware file is available for the CASA31000 Eycasa main unit. The following steps must be carried out with the update:

1. Download the firmware update from the ABUS homepage.
2. Unzip the update to an SD card.
3. Insert the SD card into main unit and start updating.

You can find the remaining steps in the readme file included with the download. Before the update, make sure your SD card is formatted as FAT32.

7.4.3 Language settings

Select the desired system language for your Eycasa main unit.

Upon reset or during initial start-up of the main unit, a system language must first be selected.

7.4.4 Screen saver settings

Select the activation time for the screen saver.

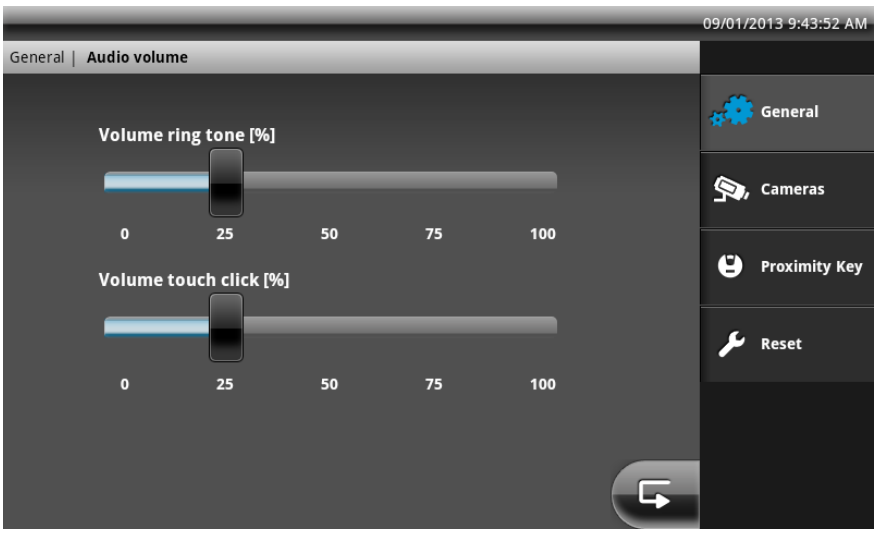
The screen saver is automatically activated after the set time if during this time there has been no user input on the touchscreen and no events on the main unit. The monitor dims in this mode, but the system functions are still active.

The screen saver is automatically deactivated at any time if the touchscreen is touched anywhere or if an event occurs.

⚠	**Important:** If the screensaver mode is started, the Eycasa main unit will close the connection to all connected Eycasa Outdoor cameras automatically after 90 minutes. Alarm messages and camera loss events will not be detected in this state. After the screensaver is stopped the Eycasa outdoor cameras are available again with full functionality.

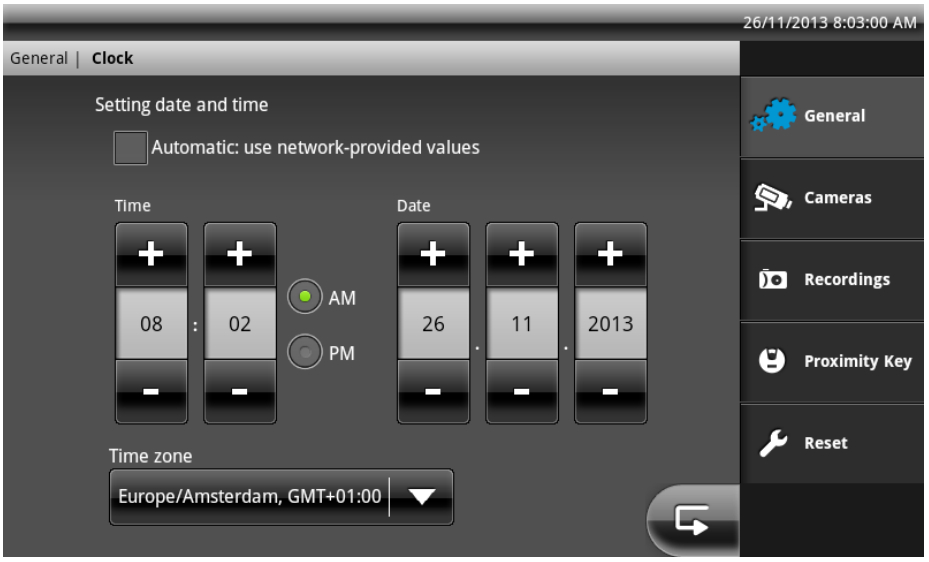
7.4.5 Audio volume settings

Here you set the volume of the currently selected doorbell ring tone and the touch-click volume within the software.



7.4.6 Time and date settings

Here you set the current time, date, and time zone. These settings are important for proper recording of the messages in the event log of the main unit.



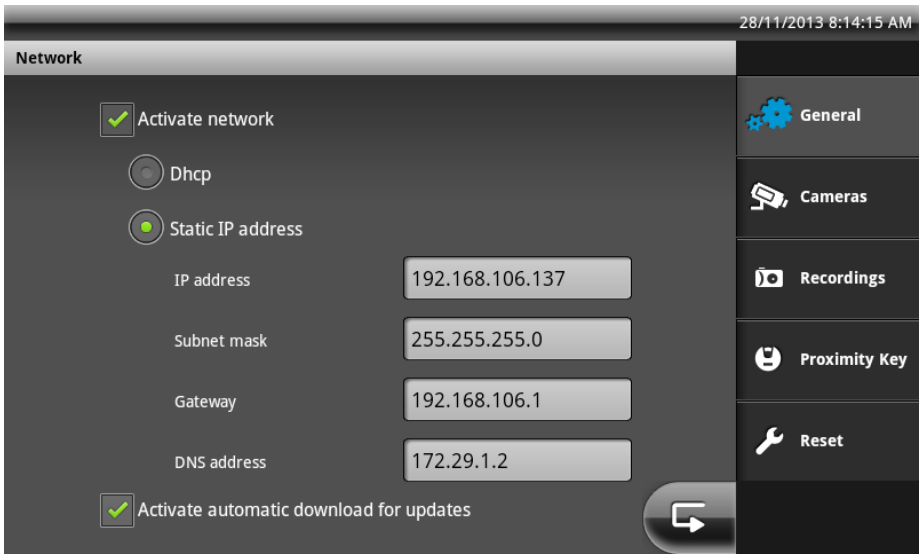
Activate the “Automatic” setting if your Eycasa main unit is connected to your home network (which provides access to the internet). The current time is identified automatically via NTP (Network Time Protocol) any regularly synchronised. Synchronisation takes place once a day or when the Eycasa main unit is restarted.

Set the time zone, regardless of whether manual or automatic setting is selected.

⚠	**Important:** Settings for the date and time must be made during initial start-up. If the main unit loses power, the time settings are buffered in the device for about 15 minutes. If your main unit is separated from the line voltage for a long period of time, the settings must be made again.

7.4.7 Network settings

Activate the network port of your Eycasa main unit here. This option is deactivated on delivery.



We recommend selecting the DHCP option for internet access (NTP synchronisation). If this causes problems or there is no DHCP server in the network, you can configure a static IP address instead.

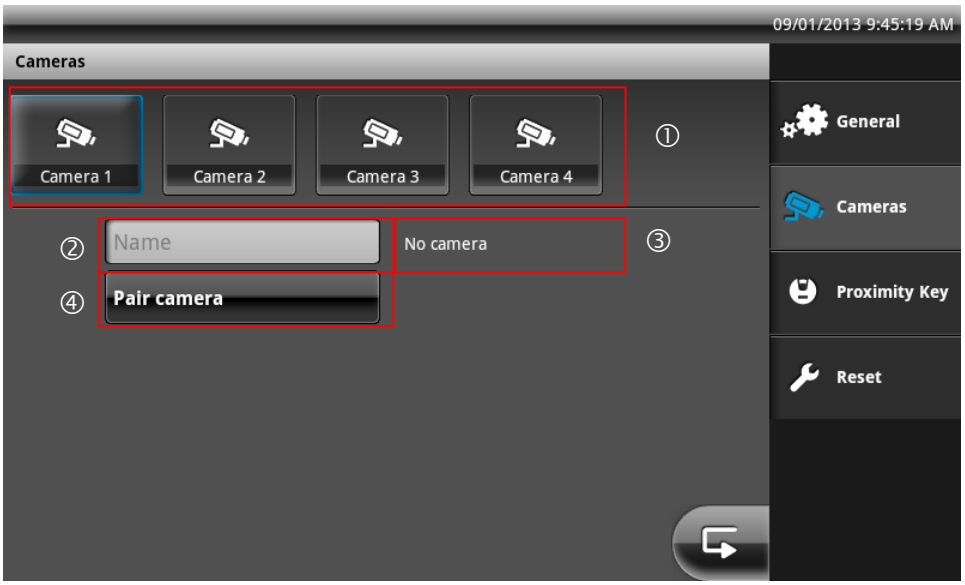
Activate network	Activates/deactivates the network port of the Eycasa main unit.
DHCP	If this function is activated, your main unit takes its IP configuration from your router (or another network device with a DHCP server).
Manual IP address	If this function is activated, you can make the IP address configuration manually.
IP address	Enter the IP address here. Make sure that the address you choose is not used by any other device. In private networks, the address is usually 192.168.0.XXX
Subnet mask	Enter the subnet mask here. In private networks, the subnet mask is usually 255.255.255.0
Gateway	Enter the gateway address here. Generally, this is the IP address of your router (usually 192.168.0.1).
DNS address	Enter the DNS address of your internet provider. Generally, this is the IP address of your router (usually 192.168.0.1).

Warning:
Only use the manual IP address settings if you know exactly which values have to be set. If possible, use the “DCHP” option. The Eycasa main unit currently supports the IPv4 protocol.

7.5 Camera settings

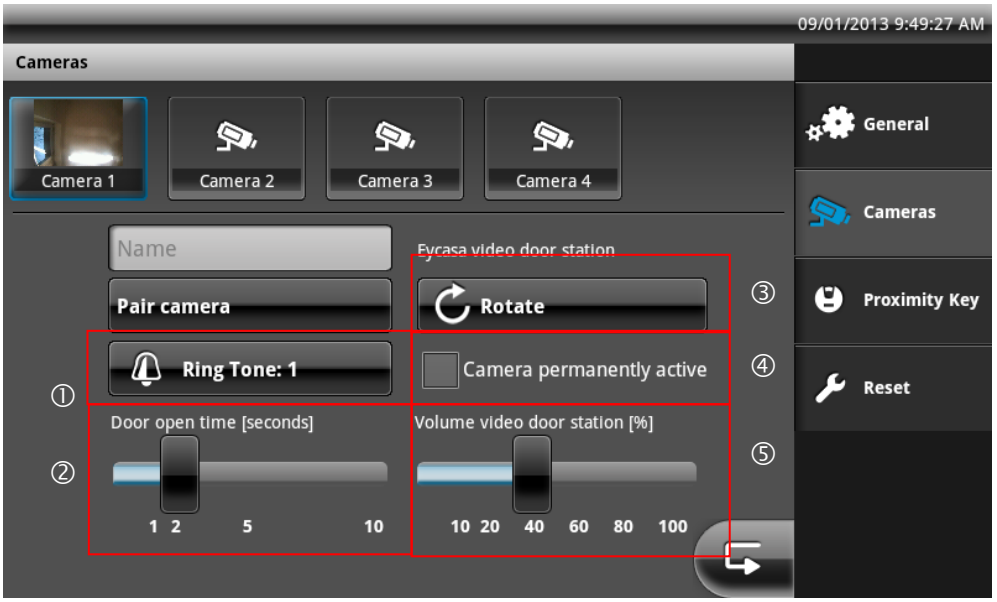
The camera settings allow you to pair new cameras in the Eycasa main unit and change the configuration. Depending on the paired camera type, different configuration elements are available.

General camera settings:



①	Selection of the camera channels 1–4. The currently selected camera is highlighted in blue.
②	Input field for camera name with a maximum of 12 characters. Choose a suitable name for your camera (such as front door or backyard).
③	Display of the camera type. If the “No camera” type appears, no camera has been programmed on the currently selected channel.
④	“Pair camera” starts the setup wizard for new cameras. See item 5, Pairing system components.

Video door station settings:

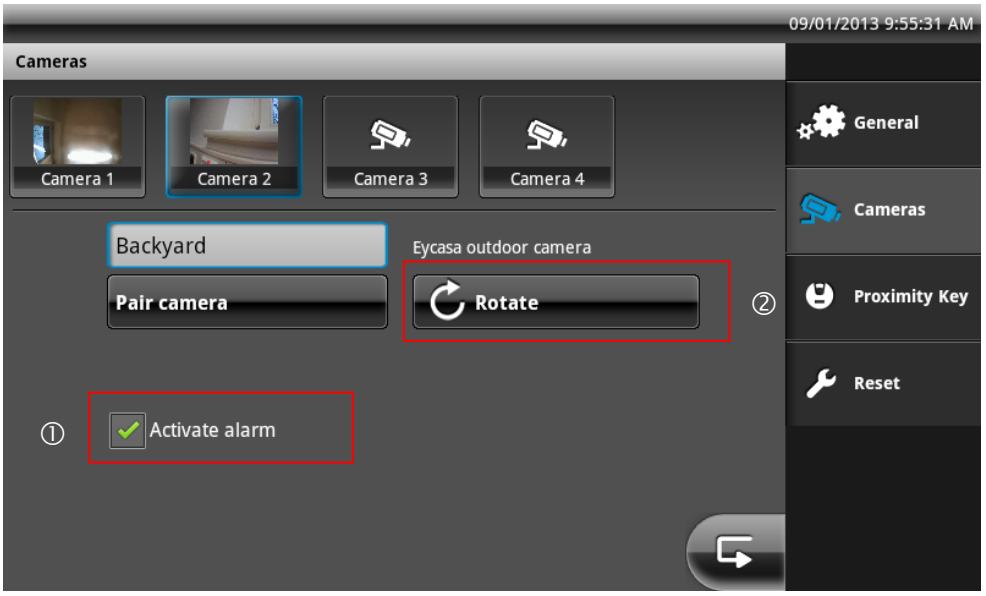


①	Selection of the doorbell tone. This sound is played on the main unit during doorbell operation.
②	Setting for the door opening time (RELAY 1) when the door opener is triggered by the main unit or proximity key.
③	Setting for rotation of the camera image (90° to the left or right) for horizontal installation of the video door station.
④	Setting for deactivation of continuous transmission of the video image of the video door station. This setting is deactivated in the factory settings in order to avoid constant monitoring. When

	the setting is deactivated, the video image of the door station is transmitted only during the doorbell ringing process. This setting is not relevant for operation of the door station in battery mode.
⑤	Setting of the loudspeaker volume on the video door station.

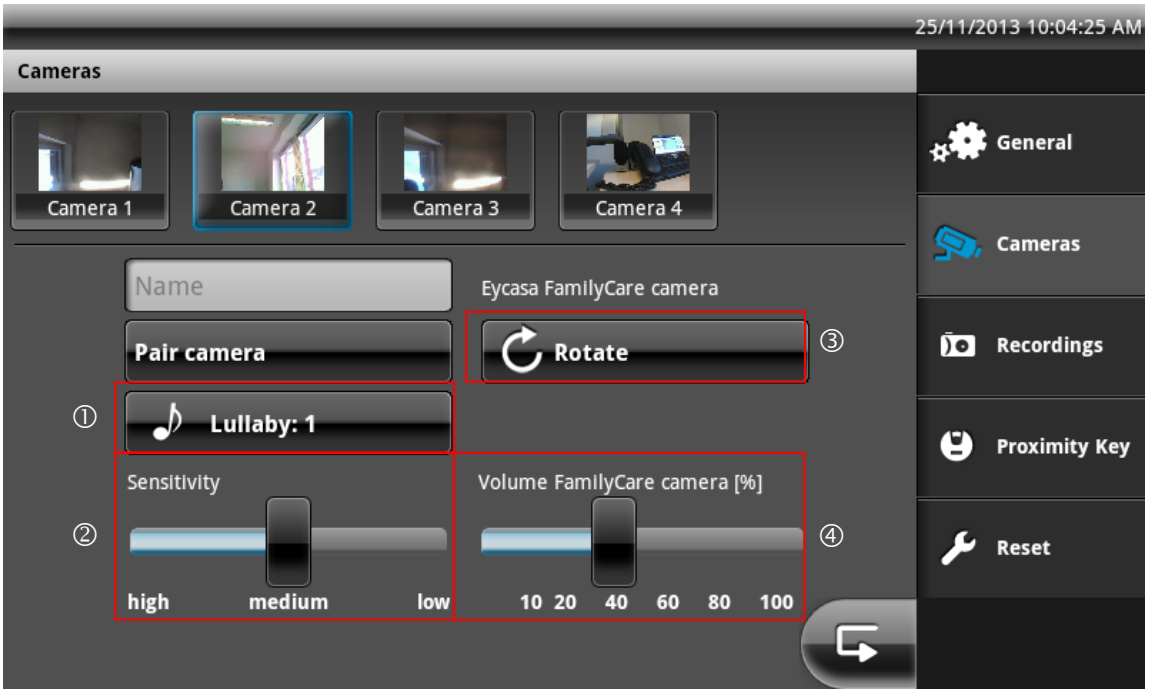
	Important: In order to ensure legal compliance, it is recommended that continuous transmission of the video image be deactivated when publicly accessible spaces can be viewed.

Outdoor camera settings:



①	Setting for activating/deactivating the event message of the outdoor camera. If the setting is not activated, motion events are not evaluated.
②	Setting for rotation of the camera image 90° to the left or right in case of outdoor camera installation orientation requiring such rotation.

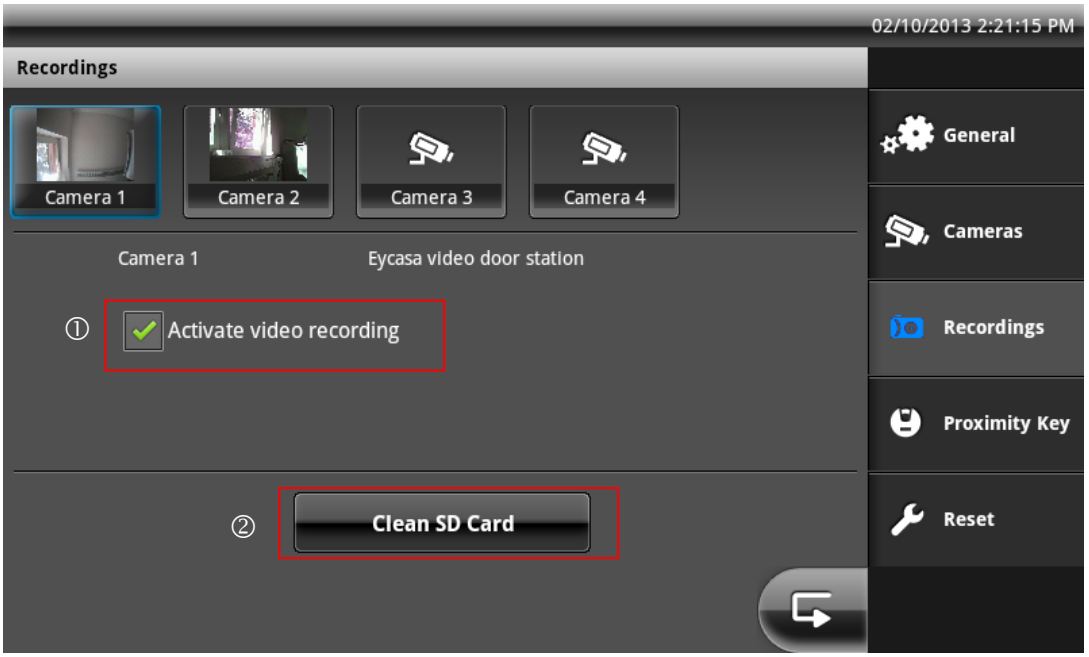
Family Care camera settings:



①	Setting the lullaby. This tune is played when you press the “Lullaby” button on the main unit of the Family Care camera.
②	Voice detection sensitivity setting of the Family Care camera. The higher the set value, the more quickly the camera reacts to sounds, and triggers the VOX alarm.
③	Setting for turning the Family Care camera image 90° to the left or right if installed to do so.
④	Loudspeaker volume setting of the Family Care camera.

7.6 Recording settings

The recording settings menu allows you to set the recording function for your cameras. Insert an SD card (at least 2 GB / max. 32 GB) in the Eycasa main unit to save video data.



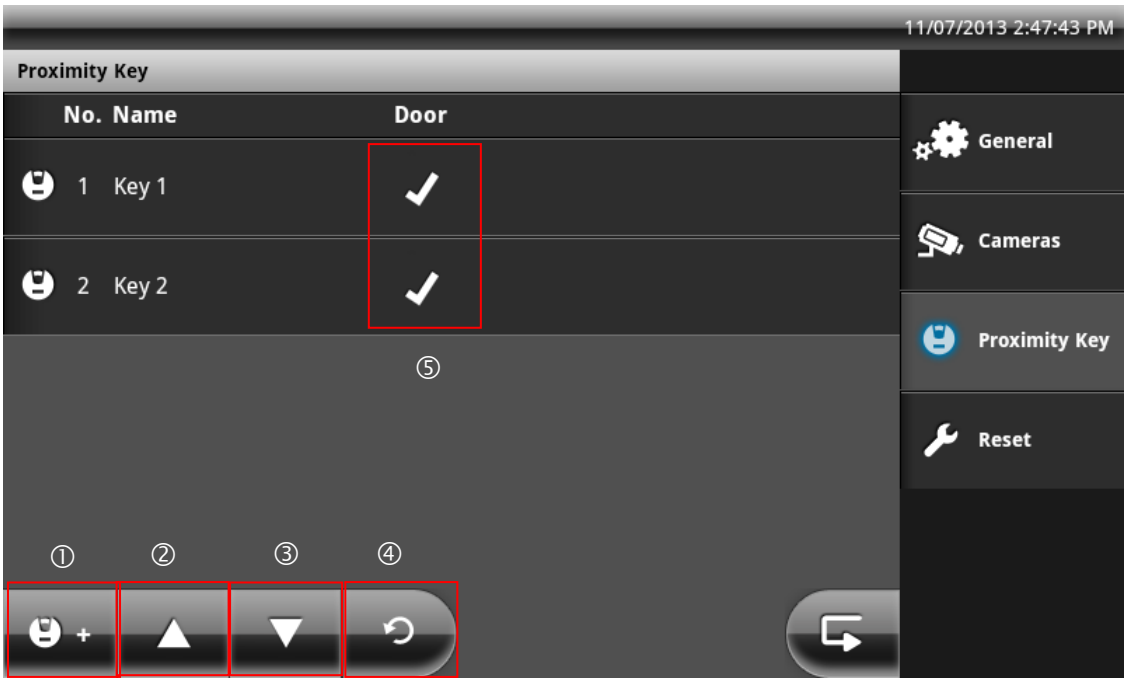
①	Activates/deactivates recording for the selected camera.
②	Deletes all data on the SD card that is not relevant for Eycasa.

You can play the recorded video data directly via the event list if the Eycasa main unit, or play it on your PC. The video data is saved in the \eycasa\videofiles folder on the SD card.

⚠	**Important:** The recording function operates using the integrated circular buffer of the event list. The circular buffer has a capacity of 500 entries. Once this has been reached, older entries and video data are overwritten. Make sure that the SD card is not pulled out of the main unit while video data is being recorded or played.

7.7 Proximity key settings

In the “Pair proximity key” menu, you can manage your chip keys. For pairing the individual keys, in addition to activation of the command within the Eycasa software, the key must be held up to the video door station.



①	Pair a new key with the video door station
②	Scroll list upwards (for more than 5 chip keys)
③	Scroll list downwards (for more than 5 chip keys)
④	Reload the chip key list on the video door station
⑤	Chip key status display: X = chip key inactive ✓ = chip key active

Pairing the proximity key

Press the “Pair proximity key” button to pair new chip keys on your video door stations. After the “Pair proximity key” button is pressed, pairing mode is activated on all connected video door stations for 120 seconds. Put your chip key into the detection range (marked in red) of the video door station.

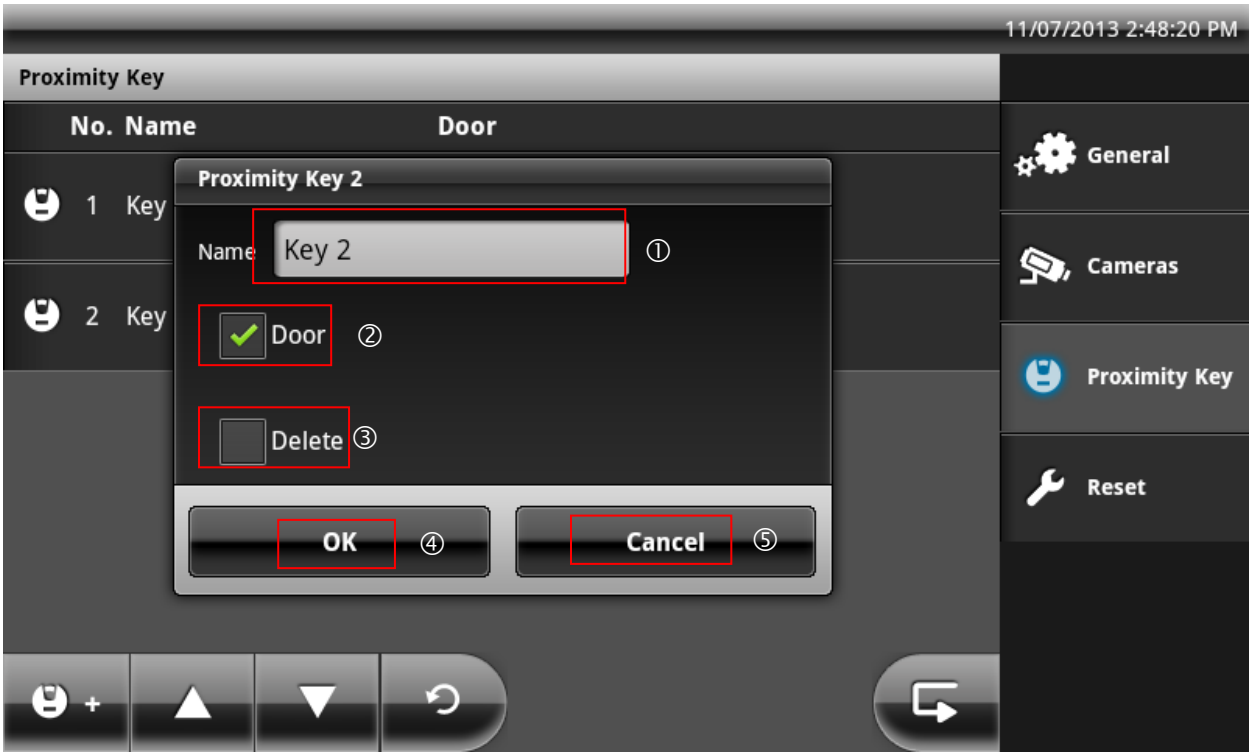
ℹ	**Note:** Pairing mode is automatically ended on all video door stations if no chip key is paired during pairing mode.

Pairing proximity key
Hold the proximity key above the sensor of the chip reader at your video door station, where you want to pair the key.
Remaining time: 111 seconds
Cancel
Pairing proximity key
The pairing of your proximity key at video door station Door succeeded.
Name
Key#01
Do you want to pair more keys?
Yes
No

After successful pairing, you can specify a name for the chip key and then pair further keys. If you answer the question with “No”, pairing mode is terminated on all video door stations.

Managing proximity keys

Press a key from the list to select it and display the chip key management options.



①	Change the chip key name: Change the name of your chip key using the on-screen keyboard.
②	Change the chip key status: By activating/deactivating the button, you can change the status of the chip key. If the button is deactivated, the key is inactive and cannot be used to open the doors until the status is manually reset to active. Use this option to temporarily block a key.
③	Delete chip key: If the button is activated, the selected key will be deleted completely after confirming with “OK” .
④	Save procedure: All entries are saved / carried out.
⑤	Cancel procedure: All entries are discarded.

7.8 Factory settings

Select “Reset” to reset your Eycasa main unit to the factory settings. The following settings are deleted:

- All settings for doorbell tones are set to the standard settings.
- All camera names are deleted.
- The wireless connection to all connected cameras is deleted.
- All camera settings (alarm, rotation, volume) are deleted.
- The event list is deleted.
- The current PIN is deleted.
- All audio settings are reset to the standard settings.
- The screen saver is set to the standard settings.
- The proximity key is deleted from all video door stations.

After resetting of the settings, the system language must be set again.

	Note: The connected video door stations must be operating on a power supply unit in order to be completely reseted.

8. Maintenance and cleaning

8.1 Maintenance

Examine the technical safety of the product regularly, e.g. check the housing for damage.

If it seems that it may no longer be possible to operate the device safely, stop using the product and protect it from unintentional use.

It is likely that safe operation is no longer possible in the event that:

- The device shows signs of visible damage.
- The device no longer works correctly.

	For the Eycasa main unit and outdoor camera, take note of the following: You do not need to perform any maintenance on the product. There are no components to service and there is nothing inside the product to check. Never open it.

	For the Eycasa video door station, take note of the following: If you operate the video door station on batteries, check the state of charge at regular intervals by establishing a voice connection to the main unit. If a battery message appears on the main unit, you should replace them promptly.

8.2 Cleaning

Clean the device with a clean, dry cloth. The cloth can be dampened with lukewarm water if the dirt on the monitor is hard to remove.

	Important: Only use the included antennas for installation.

	Do not allow any liquids to enter the device. Do not use any chemical cleaning products, as they could damage the surface of the housing (discoloration).

9. Disposal

	Devices displaying this symbol may not be disposed of with domestic waste. At the end of its service life, dispose of the product according to the applicable legal requirements. Please contact your dealer or dispose of the products at the local collection point for electronic waste.

10. Technical data

Model number	CASA30100 Eycasa video door station
Alarm	Doorbell signal on main unit
Connectible devices	Eycasa main unit
Orientation	Horizontal or vertical
Operating mode	Permanent power supply or battery-operated
Image sensor	1/4" CMOS
Resolution	640 x 480 pixels (VGA)
Lens	2.5 mm
Horizontal angle of view	120°
Number of IR LEDs	8 IR LEDs
Range of night vision function	Approx. 1.5 m
IR angle	120°
IR swivel filter	No
Video frequency	2.4 GHz
Video modulation	FHSS+GFSK
Video data rate	2 Mbps
Video transmission power	13.5 dBm
Video sensitivity	-82 dBm
Audio frequency	1.9 GHz
Audio modulation	TMDA
Audio transmission power	< 20 dBm
Audio sensitivity	-82 dBm
Audio data rate	64 Kbps
Wireless range	30 m (depending on the site conditions) *
Compression	MPEG-4
Frame rate	20 fps
Microphone	Integrated
Loudspeakers	8 Ohm, 2 W x 1
Power supply	12 V – 24 V AC/DC
Battery supply	6 x 1.5 V AA (CASA30150)
Battery life	6–8 months (when using CASA30150)
Power consumption	Max. 800 mA
Proximity key	Up to 10 keys can be paired
Relay outputs	2 (potential-free, NO)
Installation	Surface mounting
IP degree of protection	IP54
Operating temperature	-10 °C – 50 °C
Dimensions (W x H x D)	315 x 135 x 32
Net weight	600 g

Model number	CASA30200 Eycasa main unit
Connectible devices	Max. 1 x Eycasa video door station, max. 3 x Eycasa outdoor camera
Mount	Table mount, wall mount
Monitor type	7" touchscreen LCD
Resolution	800 x 600
Transmission channels	4
Video frequency	2.4 GHz
Video modulation	FHSS+GFSK
Video data rate	2 Mbps
Video transmission power	13.5 dBm
Video sensitivity	-82 dBm
Audio frequency	1.9 GHz
Audio modulation	TMDA

Audio transmission power	< 20 dBm
Audio sensitivity	-82 dBm
Audio data rate	64 Kbps
Wireless range	30 m (depending on site conditions) *
Event log	500
Adjustable alarm tone	5 doorbell tones
Loudspeakers	8 Ohm, 2 W x 2
Microphone	Integrated
Network	RJ45 10/100 Mbit Ethernet
Storage medium	SDHC card, max. 32 GB
Power supply	12 V DC / 1 A
Power consumption	Max. 800 mA
Degree of protection	IP30
Operating temperature	-10 °C – 50 °C
Dimensions (W x H x D)	185 x 200 x 100
Net weight	670 g

Model number	**CASA30400 Eycasa Family Care camera**
Alarm	VOX signal on Eycasa main unit
Connectible devices	Eycasa main unit
Operating mode	Permanent power supply or battery-powered
Image sensor	1/4" CMOS
Resolution	640 x 480 pixels (VGA)
Focal length	3.27 mm
Horizontal angle of view	54°
Number of IR LEDs	7 IR LEDs
Range of night vision function	Approx. 3 m
IR angle	90°
IR swivel filter	No
Video frequency	2.4 Ghz
Video modulation	FHSS+GFSK
Video data rate	800 kbps
Video transmission power	13.5 dBm
Video sensitivity	-82 dBm
Audio frequency	1.9 Ghz
Audio modulation	TMDA
Audio transmission power	< 20 dBm
Audio sensitivity	-82 dBm
Audio data rate	64 kbps
Wireless range	30 m (depending on site conditions)
Video compression	MPEG-4
Frame rate	20 fps
Microphone	Integrated
VOX sensitivity	5 levels
Loudspeaker	8 ohms / 1 x 1 watt
DC power supply	5 V
Battery type	1200 mAh / 3.7 V lithium polymer battery
Rechargeable battery running time	3 hours of continuous operation / 24 hours standby
Power consumption	max. 850 mAh
IP protection class	IP34
Max. operating temperature	-10 °C – 50 °C
Dimensions (W x H x D)	69 x 117 x 32
Net weight	500 g

Model number	CASA30500 Eycasa outdoor camera
Frequency	2.4 GHz
Modulation	GFSK
Transmission power	16 dBm
Sensitivity	-82 dBm
Resolution	640 x 480 pixels (VGA)
Lens	3.6 mm
Horizontal angle of view	60°
Number of IR LEDs	27 IR LEDs
Range of night vision function	Approx. 8 m
IR angle	90°
IR swivel filter	Yes
Frequency	2.4 GHz
Modulation	FHSS+GFSK
Data rate	2 Mbps
Transmission power	13.5 dBm
Sensitivity	-82 dBm
Wireless range	30 m (depending on site conditions) *
Compression	MPEG-4
Frame rate	20 fps
Power supply	5 V DC / 1 A
Power consumption	Max. 650 mA
Degree of protection	IP66
Operating temperature	-10 °C – 50 °C
Dimensions	130 x 90 x 27 mm
Net weight	500 g

* The wireless transmission range depends on environmental factors (e.g. mobile communication masts, high-tension pylons, electrical wires, ceilings and walls, etc.). If conditions are not favorable, the range will be limited.